

**SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** Resurface-It™ Concrete Overlay **Item**

Grey and White

**Product Use** Concrete Surface Repair

**Company Name** Direct Colors LLC **Office** (877) 255-2656 ext.1  
 430 E 10th St  
 Shawnee OK 74801 **Web** [www.DirectColors.com](http://www.DirectColors.com)

**EMERGENCY TELEPHONE NUMBER INFOTRAC (800) 535-5053**

**SECTION – 2 HAZARDS INFORMATION**

**Pictogram**  **Classification in accordance with (29 CFR 1910.1200) US OSHA / HCS 2012 regulation**

**Signal Word** Danger

**Hazards** PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS **HAZARD CATEGORY CLASSIFICATION** **CODE**

Causes severe skin burns and eye damage	Category 1B Skin & Eye (Corrosion)	H314
May cause an allergic skin reaction	Category 1 Sensitization (Skin)	H317
Causes serious eye damage	Category 1 Eye (Damage / Irritation)	H318
May cause allergy or asthma symptoms or breathing difficulties if inhaled	Category 1 Sensitization (Respiratory)	H334
May cause respiratory irritation	Category 3 STOT Single Exposure	H335
May cause cancer	Category 1A Carcinogenicity	H350

**Precautions** HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL **CODE**

Do not handle until all safety precautions have been read and understood	P202
Do not breathe dust / fume / gas / mist / vapours / spray	P260
Do not get in eyes, on skin, or on clothing	P262
Wash thoroughly after handling	P264
Do not eat, drink or smoke when using this product	P270
Use only outdoors or in a well-ventilated area	P271
Wear protective gloves / protective clothing / eye protection / face protection	P280
In case of inadequate ventilation wear respiratory protection	P285
Store in a well-ventilated place, Store locked up, Keep container tightly closed	P403+P405+P233
Dispose of material in accordance with all State and Federal Guidelines and Regulations	P501

**SECTION – 3 COMPOSITION INFORMATION** (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Kaorock Kaolin	Anhydrous Aluminum Silicate	92704-41-1	Kaolin	1 - 5%
Poly(ethylene-co-vinyl acetate)		24937-78-8		1 - 5%
Portland Cement	Cement	65997-15-1	Calcium Sulfate <8% ; Calcium Carbonate <5% ; Crystalline Silica <0.11% ; Magnesium Oxide <1.9%	1 - 30%

**SECTION – 4 FIRST AID MEASURES**

**Eye Contact** Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, Obtain immediate medical attention, preferably from an ophthalmologist or Emergency Room

**Skin Contact** Immediately wash contaminated skin with a nonabrasive soap and plenty of water for at least 15 minutes, Be sure to remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

**Inhaled** Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell, call a poison center or doctor for medical attention

**Ingested** DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs

**Important Effects** Exposure can affect, lungs (if inhaled), skin

**Important Symptoms** Symptoms may include, allergic skin reactions, breathing difficulties, allergic asthmatic breathing reactions

**SECTION – 5 FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Not flammable: Use extinguishing media for surrounding fire
<b>Explosion Hazard</b>	Not applicable
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, carbon oxides, silicon oxides
<b>Protective Equipment</b>	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill
<b>Personal Precautions</b>	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill
<b>Protective Equipment</b>	Safety Glasses, Gloves, Dust Respirator
<b>Containment</b>	Prevent spill from entering the environment
<b>Clean Up Procedures</b>	Sweep up and place in disposal container, Mop area with clean water
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Do not get in eyes, on skin, or clothing, Avoid breathing dust, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Empty containers retain product residue (vapors, liquid or solids) observe all precautions when handling
<b>Storage</b>	Keep container closed when not in use, Keep only in original container, Store away from incompatible materials
<b>Incompatible Materials</b>	Incompatible with, hydrogen fluoride, strong acids, strong oxidizers

**SECTION – 8 EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE LIMITS**

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA (TWA 8)	OSHA (CEIL)	NIOSH (TWA 10)	NIOSH (STEL)	Significant Exposure
Kaolin	2 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	Total Dust 15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	Inhaled Dust
Portland Cement	1 mg/m <sup>3</sup>		Total Dust 15 mg/m <sup>3</sup>		Total Dust 10 mg/m <sup>3</sup>		Dust
Calcium Sulfate	10 mg/m <sup>3</sup>		15 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>		Dust

**PERSONAL PROTECTION****HMS HAZARD RATINGS**

Health	2
Flammability	0
Reactivity	0
Personal Protection	E

<b>Eyes</b>	Wear safety glasses or goggles or face shield when handling / using this material
<b>Hands</b>	Wear chemical resistant impervious gloves when handling / using this material
<b>Lungs</b>	Wear a dust mask designed to protect against inhalation of dust particles or if irritation is experienced
<b>Body</b>	"If Situation Requires" - Wear chemical resistant impervious protective clothing if exposure is considered to be likely when handling / using this material
<b>Response</b>	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
<b>Ventilation</b>	Ventilate to keep dusts of this material below the lowest ppm listed above, If over Threshold Limit Value use a MSHA / NIOSH approved High-efficiency particulate respirator with full facepiece, The safety equipment information supplied is for general use and may not insure complete safety for the user, "Consulting with a Safety Equipment Supplier is recommended"

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point</b>	NA	<b>Specific Gravity / Density</b>	~ 2.70
<b>Flammable Limits (v)</b>	NA	<b>pH (± 0.3)</b>	ND
<b>Auto-Ignition Temp.</b>	NA	<b>Viscosity (mm<sup>2</sup>s / cSt)</b>	ND
<b>Physical State</b>	Solid	<b>Melting / Freeze Point</b>	ND
<b>Appearance</b>	White to Grey powder	<b>Boiling Point</b>	ND
<b>Odor</b>	Light	<b>Vapor Density (air=1)</b>	ND
<b>Odor Threshold</b>	ND	<b>Vapor Pressure (mmHg)</b>	ND
<b>Solubility</b>	< 3%	<b>Evaporation Rate (nBuAc=1)</b>	ND
<b>Volatiles</b>	0%	<b>Partition Coefficient</b>	ND
<b>VOC</b>	< 0.02%	<b>Molecular Weight (g/mol)</b>	ND
<b>LVP-VOC</b>	0%	<b>Decomposition Temperature</b>	ND

**SECTION – 10 STABILITY AND REACTIVITY**

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients
<b>Chemical Stability</b>	Stable under normal ambient and anticipated conditions of use
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials
<b>Incompatible Materials</b>	Incompatible with, hydrogen fluoride, strong acids, strong oxidizers
<b>Hazardous Decomposition</b>	Burning or thermal decomposition can produce, carbon oxides, silicon oxides

**SECTION – 11 TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Ingestion (Yes), Inhalation (Yes)

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

**Eyes** Causes serious eye damage  
**Skin** May cause allergic skin reaction, Can cause serious skin damage  
**Inhalation** Dust may cause irritation, allergic reactions, breathing difficulties  
**Ingestion** May be harmful if swallowed

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

**Eyes** Causes serious eye damage  
**Skin** May cause allergic skin reaction, Causes serious skin damage  
**Inhalation** Dust can cause irritation, allergic reactions, breathing difficulties  
**Ingestion** May be harmful if swallowed

**Acute Tox Calculated** Oral: > 5,000 mg/kg Dermal: > 5,000 mg/kg Inhaled: > 20 mg/l  
**Acute Tox Category** Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >5 mg/l) Dust or Mist  
**Target Organs** Lungs, Skin, Eyes  
**Medical Conditions** Preexisting, eye, skin, lung, disorders may be aggravated by exposure to this product  
**Notes to Physician** Treat symptoms

**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

<b><u>CHEMICAL NAME</u></b>	<b><u>NTP</u></b>	<b><u>ACGIH</u></b>	<b><u>IARC</u></b>	<b><u>GHS Category</u></b>
Crystalline Silica	K (Known to be)	A2 (Suspected for human)	1 (Proven for human)	1A (Known human)

**MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:**

<b><u>CHEMICAL NAME</u></b>	<b><u>Germ Cell Mutagenicity</u></b>	<b><u>Toxic to Reproduction</u></b>
None Listed	NA	NA

**COMPONENTS ACUTE TOXICITY**

<b><u>CHEMICAL NAME</u></b>	<b><u>Type</u></b>	<b><u>Form</u></b>	<b><u>Subject</u></b>	<b><u>Result Value</u></b>	<b><u>Exposure Time</u></b>	<b><u>GHS Category</u></b>
Calcium Sulfate	LD50	Oral	Rat	1,581 mg/kg		4 (>300, ≤2000 mg/kg)
	LC50	Inhaled	Rat	> 3.26 mg/l	4 Hours (Dust)	4 (>1.0, ≤5 mg/l)
Portland Cement	LD50	Oral	Rat	5,000 mg/kg		

**SECTION – 12 ECOLOGICAL INFORMATION**

<b><u>CHEMICAL NAME</u></b>	<b><u>Type</u></b>	<b><u>Subject</u></b>	<b><u>Subject Latin</u></b>	<b><u>Result Value</u></b>	<b><u>Exposure Time</u></b>	<b><u>GHS Category</u></b>
Crystalline Silica	LD50	Carp	(Cyprinus Carpio Linnaeus)	>10,000 mg/l	72 Hours	4 (>100 mg/l)

**Persistence And Degradability** No Data Available  
**Bioaccumulative Potential** No data available  
**Mobility In Soil** No data available  
**Other Adverse Effects** No data available

**SECTION – 13 DISPOSAL CONSIDERATIONS**

**Disposal Statement** DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER  
Dispose of any waste in accordance with all State and Federal Guidelines and Regulations

**Container Disposal** Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Triple rinse small empty containers then offer for recycling. If not available, puncture and dispose in a sanitary landfill

**Material Disposal** Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste, Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

**SECTION – 14 TRANSPORT INFORMATION****DOT CLASSIFICATION**

<b><u>UN Number</u></b>	<b><u>Proper Shipping Name</u></b> n.o.s. ( Chemicals ) or "Limits"						
Not Regulated	Not dangerous goods						
<b><u>Hazard Class</u></b>	<b><u>Packing Group</u></b>	<b><u>Label Codes</u></b>	<b><u>Reportable Quantity (lb)</u></b>	<b><u>Response</u></b>	<b><u>Marine Pollutant</u></b>	<b><u>Hazard Label</u></b>	<b><u>Secondary</u></b>
None	None	None	None	128	No		

Additional Info:

**SECTION – 15 REGULATORY INFORMATION****TSCA**

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Portland Cement	Yes			
Calcium Carbonate	Yes			
Crystalline Silica	Yes			
Kaolin	Yes			

**REPORTABLE QUANTITIES**

CHEMICAL NAME	Extremely Hazardous EPCRA TPQ Sec 302	Reportable Quantity EPCRA RQ Sec 304	Emission Reporting CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
None Listed						

**SARA**

CHEMICAL NAME	Section 311			Section 311 / 312 Hazards		
	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Crystalline Silica	Yes		Yes			

**RIGHT TO KNOW**

CHEMICAL NAME	STATE												
	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
Poly(ethylene-co-vinyl acetate)							Yes	Yes					
Crystalline Silica						Yes		Yes			Yes		
Kaolin						Yes		Yes			Yes		

**CALIFORNIA**

**WARNING:** This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Crystalline Silica	14808-60-7			Yes	
Titanium Dioxide < 0.0001%	13463-67-7			Yes	

**CLEAN AIR WATER ACTS**

CHEMICAL NAME	CAS #	Clean Air Acts			Clean Water Acts		
		HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
None Listed							

**INTERNATIONAL REGULATIONS** – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Crystalline Silica	Yes	Yes	Yes	Yes	Yes	Yes

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION**

~	Approximately	<b>KD</b>	Kidney Damage (nephropathy)
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>LC50</b>	A concentration that is lethal to 50% of a given species in a given time
<b>CAS</b>	Chemical Abstracts Service Registry	<b>LD50</b>	Dose that is lethal to 50% of a given species by a given route of exposure
<b>CEIL</b>	Ceiling Limit (15 minutes)	<b>LEL</b>	Lower Explosive Limit
<b>CERCL</b>	Comprehensive Environmental Response, Compensation, and Liability Act	<b>LD</b>	Liver Damage
<b>CI</b>	Cochlear Impairment	<b>NA</b>	Not Applicable
<b>CNS</b>	Central Nervous System	<b>ND</b>	Not Determined
<b>EC50</b>	Concentration of a chemical that gives half-maximal response	<b>NE</b>	Not Established
<b>EPA</b>	Environmental Protection Agency	<b>NFPA</b>	National Fire Protection Association
<b>Eye</b>	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>FBG</b>	Full Bunker Gear	<b>NTP</b>	National Toxicology Program
<b>GHS</b>	Globally Harmonized System	<b>OSHA</b>	Occupational Safety and Health Administration
<b>HAP</b>	California Hazardous Air Pollutant Clean Air Act	<b>PEL</b>	Permissible Exposure Limit (OSHA)
<b>HMIS-A</b>	Safety glasses	<b>PNS</b>	Peripheral Nervous System
<b>HMIS-B</b>	Safety glasses, gloves	<b>PP</b>	California Priority Pollutant under the Clean Water Act
<b>HMIS-C</b>	Safety glasses, gloves, chemical apron	<b>REL</b>	Recommended exposure limit (NIOSH)
<b>HMIS-D</b>	Face shield, gloves, chemical apron	<b>RT</b>	Upper Respiratory Tract
<b>HMIS-E</b>	Safety glasses, gloves, dust respirator	<b>Skin</b>	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
<b>HMIS-F</b>	Safety glasses, gloves, chemical apron, dust respirator	<b>SARA</b>	Superfund Amendments and Reauthorization Act
<b>HMIS-G</b>	Safety glasses, gloves, vapor respirator	<b>STEL</b>	Short Term Exposure Limit (15 minutes)
<b>HMIS-H</b>	Splash goggles, gloves, chemical apron, vapor respirator	<b>TC Lo</b>	Lowest concentration that is toxic to a given species in a given time
<b>HMIS-I</b>	Safety glasses, gloves, dust and vapor respirator	<b>TD Lo</b>	Lowest dose that is toxic to a given species
<b>HMIS-J</b>	Splash goggles, gloves, chemical apron, dust and vapor respirator	<b>TLV</b>	Threshold Limit Value (ACGIH)
<b>HMIS-K</b>	Air line hood or mask, gloves, full chemical suit, boots	<b>TP</b>	California Toxic Pollutant under the Clean Water Act
<b>HMIS-X</b>	Ask Supervisor	<b>TSCA</b>	Toxic Substances Control Act
<b>HS</b>	California Hazardous Substance under the Clean Water Act	<b>TWA</b>	Time Weighted Average (8 hours) - NOISH (10 hours)
<b>IG / IH</b>	(IG = Ingested) / (IH = Inhaled - Vapors / Mists / Gas)	<b>UEL</b>	Upper Explosive Limit

Direct Colors LLC

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

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-- End of Safety Data Sheet --

Supersedes Safety Data Sheet Dated